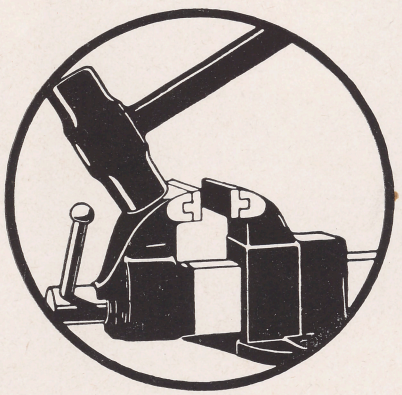
COLUMBIAN VISES

Sledge Tested

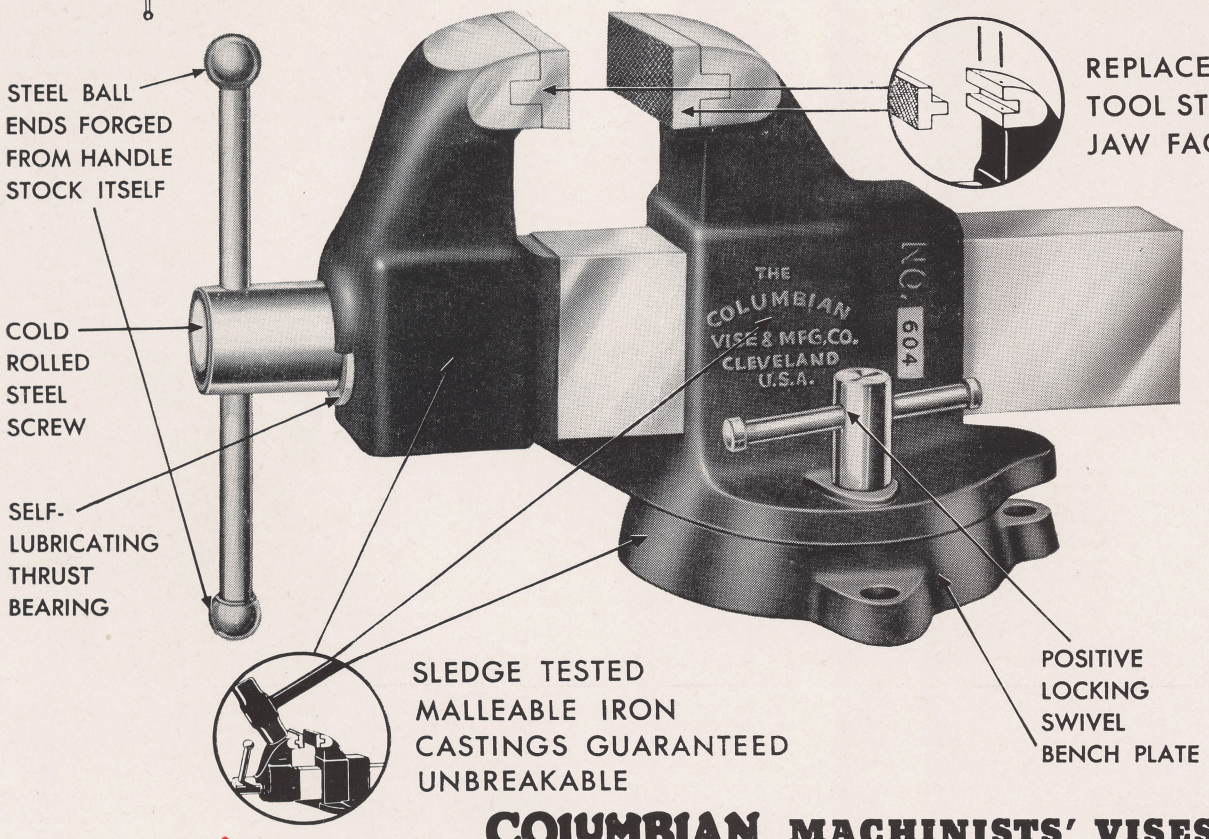


CATALOG NO. 57-E

for best advice about **VISES** . . . See your **COLUMBIAN** distributor

COLUMBIAN Malleable Iron Machinists' Vises

are sledge-tested and unbreakable!


STEEL BALL ENDS FORGED FROM HANDLE STOCK ITSELF
COLD ROLLED STEEL SCREW
SELF-LUBRICATING THRUST BEARING
SLEDGE TESTED MALLEABLE IRON CASTINGS GUARANTEED UNBREAKABLE
REPLACEABLE TOOL STEEL JAW FACES
POSITIVE LOCKING SWIVEL BENCH PLATE
THE COLUMBIAN VISE & MFG. CO. CLEVELAND U.S.A.
NO. 604

COLUMBIAN MACHINISTS' VISES

In order to combine accuracy with greater strength and longer service, Columbian engineering and manufacturing emphasize outstanding features that provide quality and economy in the use of Columbian Machinists' Vises.

MALLEABLE IRON CASTINGS, produced under Columbian's special patented design to insure maximum working strength and shock resistance, are absolutely guaranteed unbreakable.

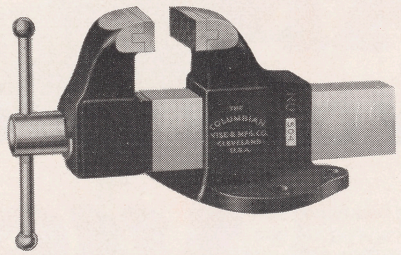
STEEL SCREW and MALLEABLE IRON NUT are properly designed and supported in rigid alignment to provide maximum gripping power and reduce wear on both the screw and nut. Steel balls on both ends of the handle are forged from the handle stock itself and cannot come loose.

GRAPHITE-BRONZE (SELF-LUBRICATING) BEARING at the front of the sliding jaw takes the thrust of the steel screw head, provides easy and positive operation, prevents wear and eliminates "end play".

HARDENED TOOL STEEL JAW FACES, "T" section design for tongue-and-groove fitting, are pinned into the castings so they cannot come loose in use but may be replaced if chipped or worn. These replaceable jaw faces provide a solid gripping surface without screw holes or screw heads in the working face.

The COLUMBIAN line is complete . . . choose from these fine vises!

COLUMBIAN STATIONARY BASE MACHINISTS' VISES

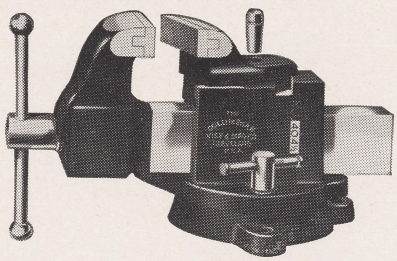


Most popular vise for general use. Flat machined base makes it unnecessary to cut into bench for installation. Malleable iron castings guaranteed unbreakable. Steel handle balls forged from handle stock, cannot come loose. Self-lubricating graphite-bronze bearing provides easy, positive operation; prevents wear, eliminates end play. Hardened tool steel jaw faces cover entire gripping surface, cannot become loose, yet are easily replaceable. No holes or screw heads in working face.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.	Price Each
503	3	4	20	**$28.00**
503½	3½	5	29	**32.00**
504	4	6	36	**38.00**
504½	4½	7	47	**48.00**
505	5	8	58	**62.00**
506	6	10	90	**116.00**
508	8	12	150	**220.00**

One in a carton

COLUMBIAN ADJUSTABLE JAW SWIVEL BASE VISES

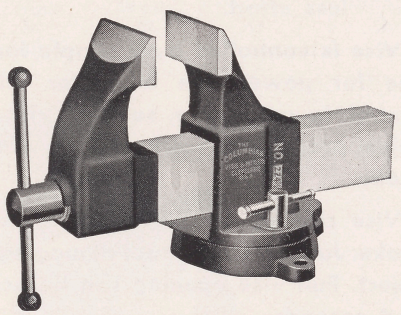


Ideal for wide range of work. Indispensable in tool room or shop. With pin in place, swivel back jaw is locked rigidly for use as parallel jaw vise. Removal of pin permits adjustment of back jaw to firm grip on irregular or tapering pieces. Malleable iron unbreakable castings. Steel handle balls forged from handle stock. Self-lubricating graphite bronze bearings. Hardened tool steel replaceable jaw faces. Sizes larger than 5 inches have 2 swivel clamping nuts.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.	Price Each
403½	3½	5	35	**$60.00**
404½	4½	6	57	**84.00**
406	6	9	120	**180.00**

One in a carton

COLUMBIAN SHEET METAL WORKERS' VISE

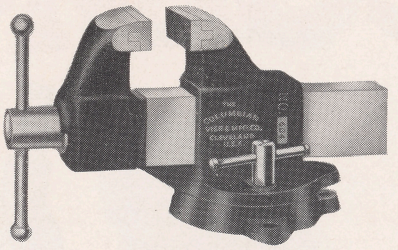


Specially designed for sheet metal work, wood working and body work. High tapering jaws with extra deep smooth faces. Malleable iron unbreakable castings. Replaceable steel jaw faces.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.	Price Each
224½	4½	9	60	**$70.00**

One in a carton

COLUMBIAN SWIVEL BASE MACHINISTS' VISES

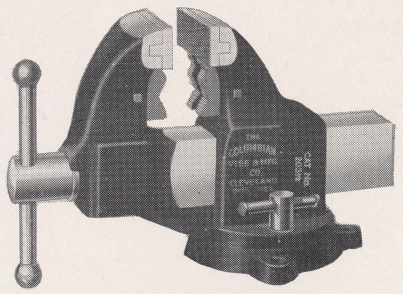


Effective swivel base allows vise to be swung freely and locked in any desired position. Steel clamping nut operates forged steel bolt with teeth that mesh into gear-like corrugations in base plate to form positive lock. Position of work can be shifted and it can be held at different angles without removal from vise. Malleable iron unbreakable castings. Steel handle balls forged from handle stock. Self-lubricating graphite bronze bearing. Hardened tool steel replaceable jaw faces. Sizes larger than 5 inches have 2 swivel clamping nuts.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.	Price Each
603	3	4	25	**$36.00**
603½	3½	5	34	**42.00**
604	4	6	42	**50.00**
604½	4½	7	55	**62.00**
605	5	8	70	**84.00**
606	6	10	106	**144.00**
608	8	12	170	**280.00**

One in a carton

COLUMBIAN COMBINATION PIPE SWIVEL BASE VISES

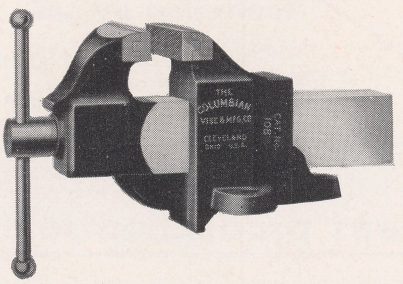


Tool steel pipe jaws heat treated to insure hardness and strength. 3 jaws are interchangeable; each has 2 working faces. Special pipe jaw design makes possible holding pipe down to ⅛ inch. Pipe jaws do not protrude beyond jaw faces. Other work can be held without removing pipe jaws. Malleable iron unbreakable castings. Steel handle balls forged from handle stock. Self-lubricating graphite bronze bearing.

Vise No.	Jaw Width In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.	Price Each
203½	3½	4	⅛ - 2½	36	**$52.00**
204½	4½	5	⅛ - 3½	60	**74.00**
205	5	6	⅛ - 4½	95	**114.00**
206	6	10	⅛ - 6	165	**180.00**

One in a carton

COLUMBIAN HEAVY CHIPPING VISE



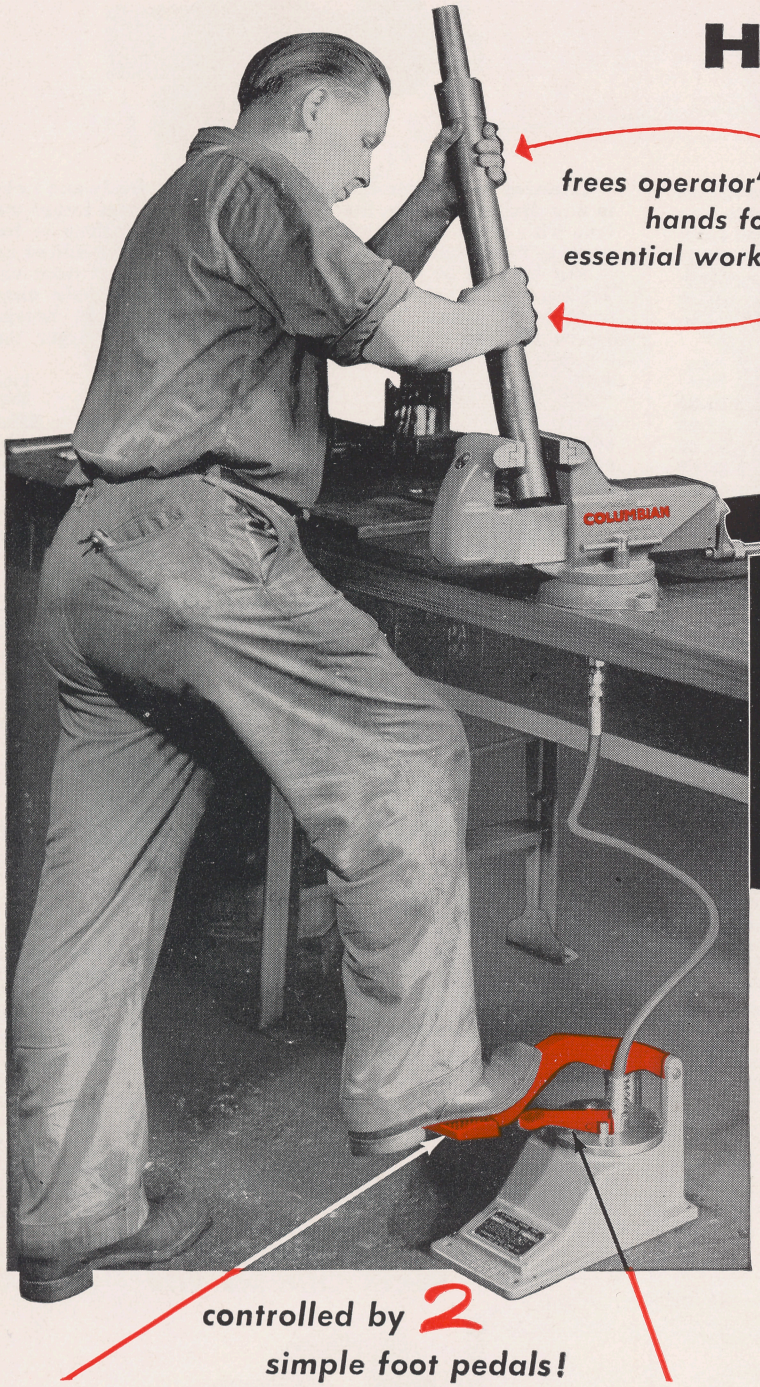
Ideal for use wherever mass weight is of primary importance. Kromiron castings provide increased tensile strength and maximum shock resistance.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.	Price Each
108	8	12	268	**$220.00**

One in a carton

COLUMBIAN

HYDRAULIC VISE



frees operator's hands for essential work!

NO. 1004

Designed for today's high speed operations ...speeds up production!

Every industrial plant, machine shop, garage ... every metal working company can speed production, save time and manpower, reduce costs with Columbian Hydraulic Vises.

Their use enables operators to easily handle and position work . . . insert, grip and release parts in less time with less effort.

Vise is controlled by 2 simple foot pedals—one for power—the other for release. Stop control is adjustable so that vise grips and holds production work with a single power stroke.

Vise closing speed is 1¼ inches per pump stroke. Jaws close without damaging the "held" object. Full vise opening can be accomplished in 4 seconds.

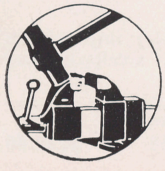
Maximum hydraulic pressure is 7,000 P.S.I. Maximum jaw pressure is 4,000 lbs. Safety valve protects against overloading.

controlled by 2 simple foot pedals!

easier to use ...

economical to operate

...keeps production rolling faster!



Sledge Tested ...guaranteed unbreakable

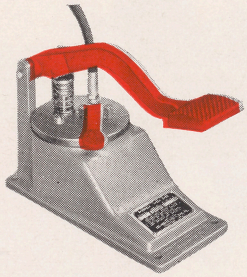
COLUMBIAN HYDRAULIC VISES

Vise controlled by 2 foot pedals — one for power — other for release. Stop control adjustable so vise grips and holds with a single power stroke. Operator's hands free for essential work. Vise closing speed 1¼ inches per pump stroke. Jaws close without damaging "held" object. Full opening in 4 seconds. Maximum hydraulic pressure 7,000 P.S.I. Maximum jaw pressure 4,000 lbs. Safety valve protects against overloading. Unbreakable malleable iron vise castings. Replaceable tool steel jaw faces. Completely enclosed hydraulic mechanism operates moving front jaw.

Vise No.	Jaw Width In.	Jaw Depth In.	Jaw Opening In.	Wt. Each Lbs.	Price Each
1004-B	4	3⅞	6	110	**$195.00**

One in a carton

COLUMBIAN HYDRAULIC POWER PUMP

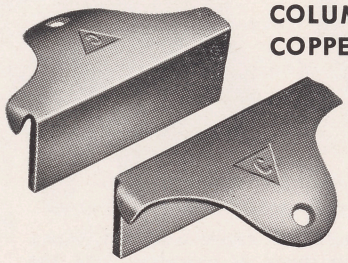


For use with any equipment requiring precision control. Single valve cartridge can be removed and replaced as a unit, eliminating greatest maintenance problem. Cartridge includes main check valve, release valve and by-pass relief valve. Pump is 2-stage, dual piston type. At low pressures, both pistons operate and produce 1 cubic inch per stroke. At high pressures, 1 piston works, producing volume of .1553 cubic inches per stroke. Total potential pump discharge 50 cubic inches. Maximum hydraulic pressure 7,000 P.S.I. Hose length 43 inches and fits ¼ inch tapered pipe.

Pump No.	Length In.	Width In.	Height In.	Wt. Each Lbs.	Price Each
1004-50B	16⅜	6½	11	50	**$125.00**

One in a carton

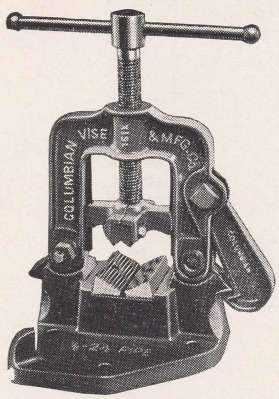
COLUMBIAN COPPER JAW CAPS



Fit snugly over jaws and cover knurled steel faces to prevent marring of soft materials. Easily installed and removed.

Jaw Width, In.	3	3½	4	4½	5	6
Price, Each	**$4.60**	**5.40**	**6.40**	**7.40**	**9.20**	**15.00**

COLUMBIAN "LONG JAW" HINGED PIPE VISES

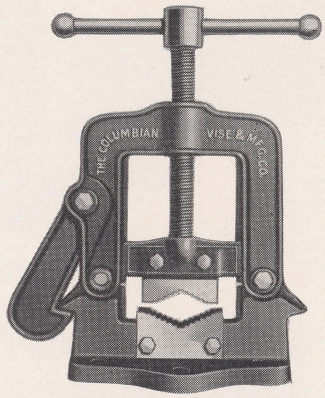


Hold pipe, conduit and thin wall tubing firmly without bending. Long-bearing heat-treated tool steel jaws prevent crushing and scoring. Lower pipe jaws, milled on both sides for double life, are securely fastened from top and reversed without removing vise from bench. Handy bender for small pipe, conduit, tubing.

Vise No.	Pipe Capacity In.	Wt. Each Lbs.	Price Each
160	⅛ - 2	8	**$11.65**
161	⅛ - 2½	11	**13.75**
162	⅛ - 3½	17	**20.90**
163	⅛ - 4½	26	**28.80**

One in a carton

COLUMBIAN "INTERLOCKING JAW" HINGED PIPE VISES

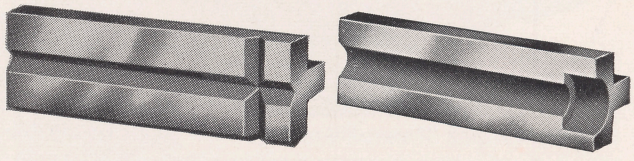


Replaceable tool steel pipe jaws, accurately milled and heat-treated for positive gripping and maximum life. Heavy-duty sizes have extra strength required for holding large-diameter work.

Vise No.	Pipe Capacity In.	Wt. Each Lbs.	Price Each
16X	⅛ - 1½	5	**$ 9.90**
Heavy Duty			
164X	⅛ - 6	37	**64.70**
165X	1 - 8	81	**131.50**
166X	1½ - 12	163	**192.50**

One in a carton

COLUMBIAN SPECIAL JAW FACES



Smooth hardened-steel jaw faces can be fitted in any Columbian Hydraulic or Machinists' Vise where standard knurled faces would mar aluminum or other soft metal. Smooth faces are furnished at no additional cost on original vise orders.

Specially designed jaw faces, machined to fit irregularly-shaped pieces, can be furnished for production work. Prices on request.

COLUMBIAN WOODWORKERS' VISES MEET EVERY NEED . . .

Completely redesigned, Columbian Woodworkers' Vises offer you a real opportunity to write your own specifications—exactly as you want them!

You have your choice of 2 sizes—specify (7) for 4 x 7'' jaws with 9'' opening or (10) for 4 x 10'' jaws with 12'' opening. Also your choice of 2 different continuous screw mechanisms—specify (R) for Rapid Acting "Power-Slide" Nut, or (C) for Solid Nut type. You may select between (P) Plain or (D) Dog type front jaws. You may specify (W) Seasoned Hardwood Handle, (T) Tubular Steel Handle, or (S) Adjustable Steel Handle.

For example, No. 7CDW specifies 4 x 7'' jaws, 9'' opening, solid nut mechanism, dog type front jaw, seasoned hardwood handle—old catalog No. 5CD.

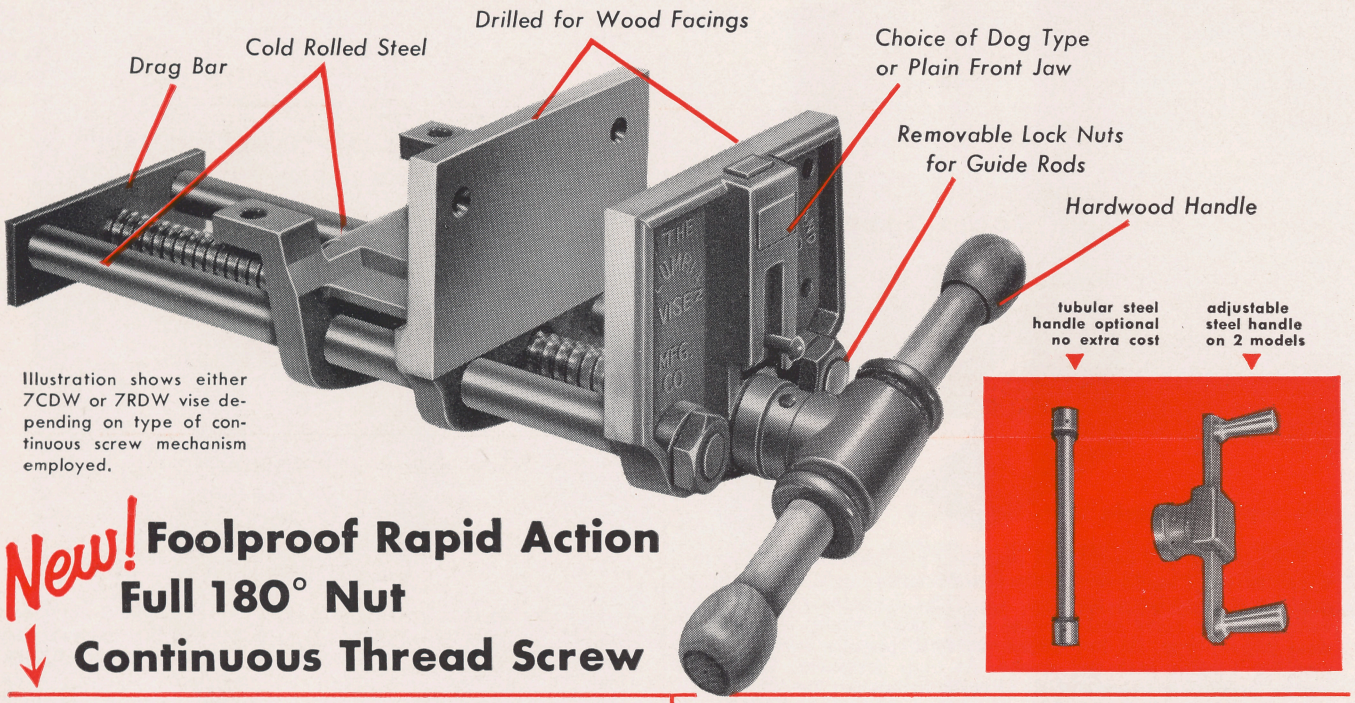
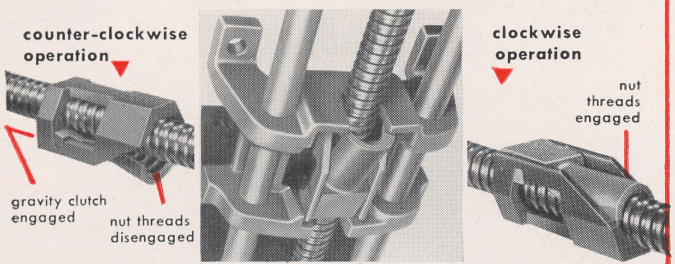

Drilled for Wood Facings
Cold Rolled Steel
Drag Bar
Choice of Dog Type or Plain Front Jaw
Removable Lock Nuts for Guide Rods
Hardwood Handle
THE COLUMBIAN VISE MFG. CO.

Illustration shows either 7CDW or 7RDW vise depending on type of continuous screw mechanism employed.

New! Foolproof Rapid Action Full 180° Nut Continuous Thread Screw

RAPID ACTING CONTINUOUS SCREW VISES

. . . for use where changes in jaw openings must be made frequently and fast!

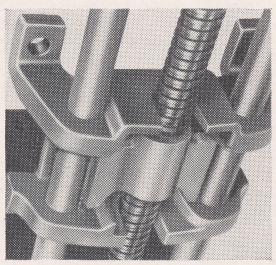


Rapid Acting "Power-Slide" Continuous Screw Mechanism

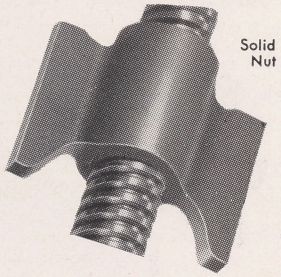
Key to superior operation is exclusive "Power-Slide" mechanism. This incorporates a gravity friction clutch which assures positive operation (no springs) and automatically compensates for wear. Counter-clockwise operation of screw disengages mechanism, facilitating "free sliding" adjustment of jaw opening. Clockwise operation of screw engages full 180° half-nut, producing continuous inward jaw movement and high pressure holding without slippage.

SOLID NUT CONTINUOUS SCREW VISES

. . . for general woodworking in industrial and school shops!



▲ **Solid Nut Continuous Screw Mechanism**

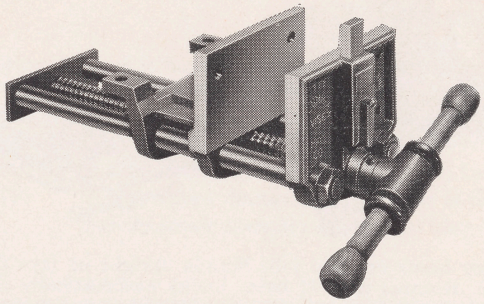


Heavy steel screw is made with double lead, fast running thread to provide maximum speed of operation. Solid Nut assures long, repair-free life.

2 models of Solid Nut Continuous Screw Vises are made with special Adjustable Steel Handles for extra fast operation.

The COLUMBIAN line is complete . . . choose from these fine vises!

COLUMBIAN RAPID ACTING CONTINUOUS SCREW WOODWORKERS' VISES

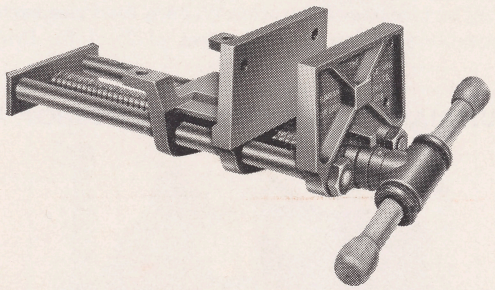


For use where changes in jaw openings must be made frequently and fast. Clockwise operation engages "Power-Slide" mechanism with continuous thread screw for unrestricted inward motion and holding power. Counter-clockwise operation disengages mechanism for "fast sliding" adjustment of jaw opening. Hardwood handles standard. Tubular steel handles, optional at no extra cost. Vises furnished with dog type front jaw for use with bench stops — or plain. Illustration shows dog raised.

Vise No.	Jaw Size In.	Jaw Opening In.	Jaw Style	Handle Type	Wt. Each Lbs.	Price Each
7RPW	4 x 7	9	Plain	Wood	26	**$24.00**
7RPT	4 x 7	9	Plain	Steel	27	**24.00**
7RDW	4 x 7	9	Dog	Wood	27	**25.00**
7RDT	4 x 7	9	Dog	Steel	28	**25.00**
10RPW	4 x 10	12	Plain	Wood	32	**27.00**
10RPT	4 x 10	12	Plain	Steel	33	**27.00**
10RDW	4 x 10	12	Dog	Wood	33	**28.00**
10RDT	4 x 10	12	Dog	Steel	34	**28.00**

One in a carton.

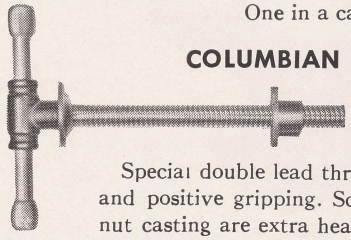
COLUMBIAN SOLID NUT CONTINUOUS SCREW WOODWORKERS' VISES



For general industrial and school woodworking. Heavy steel screw with double lead, fast running thread provides maximum operating speed. Solid nut assures long, repair-free life. Hardwood handles standard. Tubular steel handles, optional at no extra cost. Vises furnished with dog type front jaw for use with bench stops — or plain. Illustration shows plain jaw.

Vise No.	Jaw Size In.	Jaw Opening In.	Jaw Style	Handle Type	Wt. Each Lbs.	Price Each
7CPW	4 x 7	9	Plain	Wood	26	**$22.00**
7CPT	4 x 7	9	Plain	Steel	27	**22.00**
7CDW	4 x 7	9	Dog	Wood	27	**23.00**
7CDT	4 x 7	9	Dog	Steel	28	**23.00**
10CPW	4 x 10	12	Plain	Wood	32	**25.00**
10CPT	4 x 10	12	Plain	Steel	33	**25.00**
10CDW	4 x 10	12	Dog	Wood	33	**26.00**
10CDT	4 x 10	12	Dog	Steel	34	**26.00**

One in a carton.



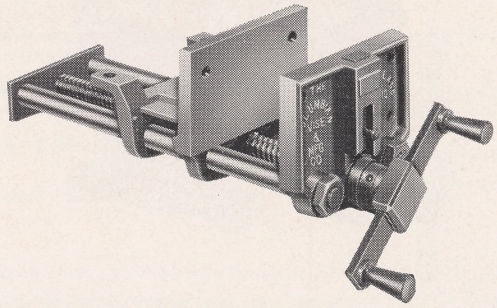
COLUMBIAN BENCH SCREWS

Special double lead thread provides maximum speed and positive gripping. Screw head thrust washer and nut casting are extra heavy. Hardwood handle.

Diameter In.	Length In.	Wt. Per Doz., Lbs.	Price Each
1	16	65	**$3.80**
1⅛	16	80	**4.20**
1¼	17	90	**5.00**

COLUMBIAN SOLID NUT CONTINUOUS SCREW WOODWORKERS' VISES

WITH ADJUSTABLE STEEL HANDLES



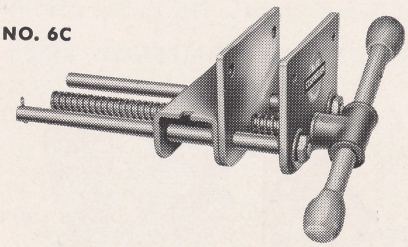
Adjustable steel handle greatly increases operating speed. Handle is held in desired position by tension spring in head. With handle centered, speed comparable to a rapid-acting vise is possible. Extension of handle gives leverage to tighten vise. Dog type front jaw.

Vise No.	Jaw Size In.	Jaw Opening In.	Jaw Style	Wt. Each Lbs.	Price Each
7CDS	4 x 7	9	Dog	27	**$24.00**
10CDS	4 x 10	12	Dog	33	**27.00**

One in a carton.

COLUMBIAN WOODCRAFT VISE

NO. 6C



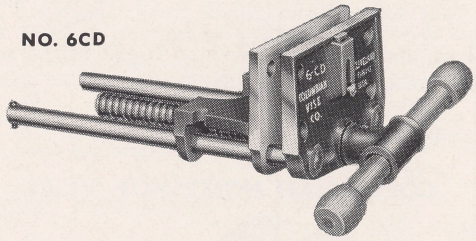
Perfect for homeshop. Fabricated steel jaws. Machine cut screw insures positive free action. Hardwood handle. Holes for attaching wood faces. Fits bench up to 2¼ inches.

Vise No.	Jaw Size In.	Jaw Opening In.	Wt. Each Lbs.	Price Each
6C	3 x 6	7	10	**$7.00**

One in a carton.

COLUMBIAN WOODCRAFT VISE

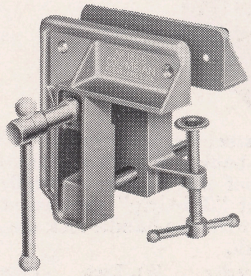
NO. 6CD



Strong cast iron jaws. Ideal for homeshop. Adjustable dog in front jaw for use with bench stops. Machine cut screw insures positive free action. Hardwood handle. Holes for attaching wood faces. Fits bench up to 2¼ inches.

Vise No.	Jaw Size In.	Jaw Opening In.	Wt. Each Lbs.	Price Each
6CD	3 x 6	7	10	**$9.50**

One in a carton.



COLUMBIAN CARPENTER'S VISE

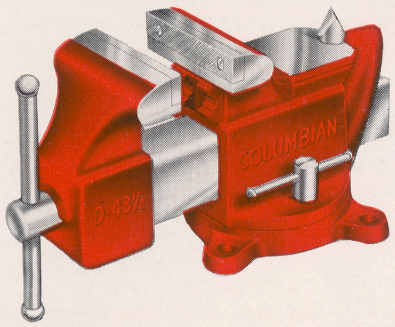
Clamps on anything, including 2¼ inch bench. Cast aluminum alloy jaws open 3½ inches to hold 2 x 4. Tool steel feed screws and guide pin. Easily carried in carpenter's kit. Smooth jaw faces. Drilled for wood faces.

Vise No.	Jaw Size In.	Jaw Opening In.	Wt. Each Lbs.	Price Each
1655	5 x 5	3½	2¾	**$4.50**

One in a box. 6 to a carton.

The COLUMBIAN line is complete . . . choose from these fine vises!

COLUMBIAN WORKSHOP VISES

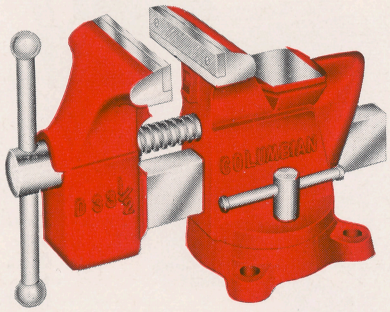


Heavy-duty channel steel front jaw beam covers screw. Extra large back jaw anvil and anvil horn. Cold-rolled steel screw. Handle balls forged from handle stock. Replaceable malleable iron nut, Acme thread. Replaceable heat-treated steel jaw faces. Permanent pipe jaws, positive "Tri-Grip" design. Positive locking swivel base, slip-handle lock nut. Polished jaws and anvil, bright red finish.

Vise No.	Jaw Width In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.	Price Each
D43½	3½	4	⅛ - 1¼	16	**$11.90**
D44	4	5	⅛ - 2	27	**17.30**
D45	5	6	⅛ - 2½	38	**21.50**

Individual cartons. D43½ packed 6 in case.
D44 packed 3 in case. D45 packed 1 in case.

COLUMBIAN HOMESHOP VISES

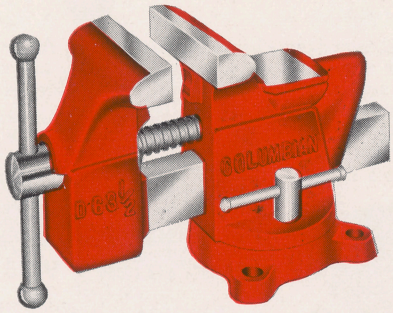


Replaceable steel jaw faces. Extra heavy steel beam. "Balanced" castings for super strength. Extra large back jaw anvil and anvil horn. Cold-rolled steel screw. Slip-proof screw collar. Handle balls forged from handle stock. 3-point "Tri-Grip" permanent pipe jaws. Positive locking swivel base, with slip-handle lock nut. Polished jaws and anvil, bright red finish.

Vise No.	Jaw Width In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.	Price Each
D33½	3½	4	⅛ - 1¼	13	**$8.50**

Individual cartons. 6 cartons in a case.

COLUMBIAN HOMESHOP VISES

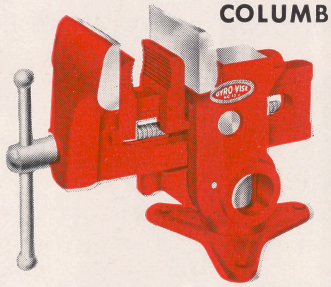


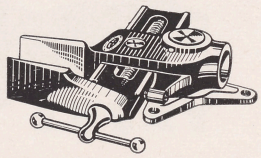
Smooth jaw faces. Extra heavy steel beam. "Balanced" castings for super strength. Extra large back jaw anvil and anvil horn. Cold-rolled steel screw. Slip-proof screw collar. Handle balls forged from handle stock. 3-point "Tri-Grip" permanent pipe jaws. Positive locking swivel base, with slip-handle lock nut. Polished jaws and anvil, bright red finish.

Vise No.	Jaw Width In.	Jaw Opening In.	Pipe Capacity In.	Wt. Each Lbs.	Price Each
D63½	3½	4	⅛ - 1¼	13	**$7.90**

Individual cartons. 6 cartons in a case.

COLUMBIAN GYRO-VISE



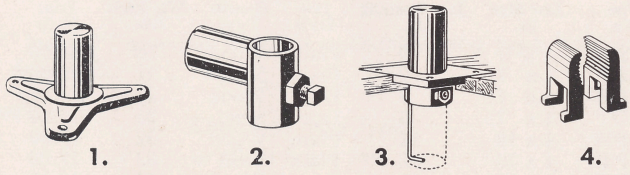


For every home or shop job. Stands upright or lays flat on either side. Rotates around base. Locks automatically in any position. Ideal for carpentry, sanding, sawing, tool sharpening, carving. Smooth, positive-grip, mar-free jaw faces.

Vise No.	Jaw Width In.	Jaw Depth In.	Jaw Opening In.	Pipe Capacity In.	Height In.	Wt. Each Lbs.	Price Each
73½	3½	2½	5	⅛-1½	8½	16½	**$13.95**

Individual cartons. 6 cartons in a case.

GYRO-VISE ATTACHMENTS



1. 2. 3. 4.

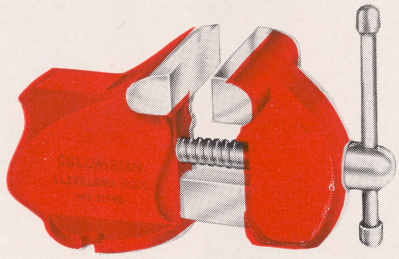
1. Standard Base around which Gyro-Vise rotates. Additional bases can be placed in different locations and vise moved from job to job. Weight, 1¾ lbs. Price, each..... **$1.70**

2. Angle Adapter permits operation of Gyro-Vise in a vertical arc. Weight, 2¼ lbs. Price, each..... **$2.90**

3. Flush Base for applications where it is desirable to keep working surface free of obstacles. Wt., 4¾ lbs. Price, each. **$3.90**

4. Replaceable pipe jaws. Weight (set of 2), 1 lb. Price, per set..... **$1.00**

COLUMBIAN PENNYPINCHER HOMESHOP VISE

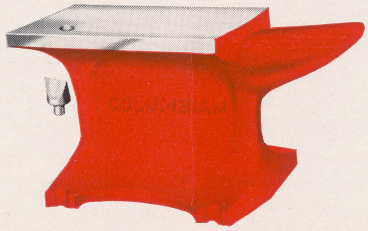


Leader in the low priced field. Strong balanced castings. Heavy steel beam. Built-in pipe jaws. Cold rolled steel screws. Slip-proof screw collar. Forged ball ends on handle.

Vise No.	Jaw Width In.	Jaw Opening In.	Wt. Each Lbs.	Price Each
D53½	3½	3	9	**$5.90**

Individual cartons. 6 cartons in a case.

COLUMBIAN "KROMIRON" BENCH ANVIL



Made of shock-resisting "Kromiron" castings. Broad, tough face. Equipped with steel cut-off tool. Ideal for many jobs.

Anvil No.	Face In.	Horn In.	Base In.	Wt. Each Lbs.	Price Each
9A	3 x 6	3	4 x 5½	9	**$4.50**

Individual cartons. 6 cartons in a case.

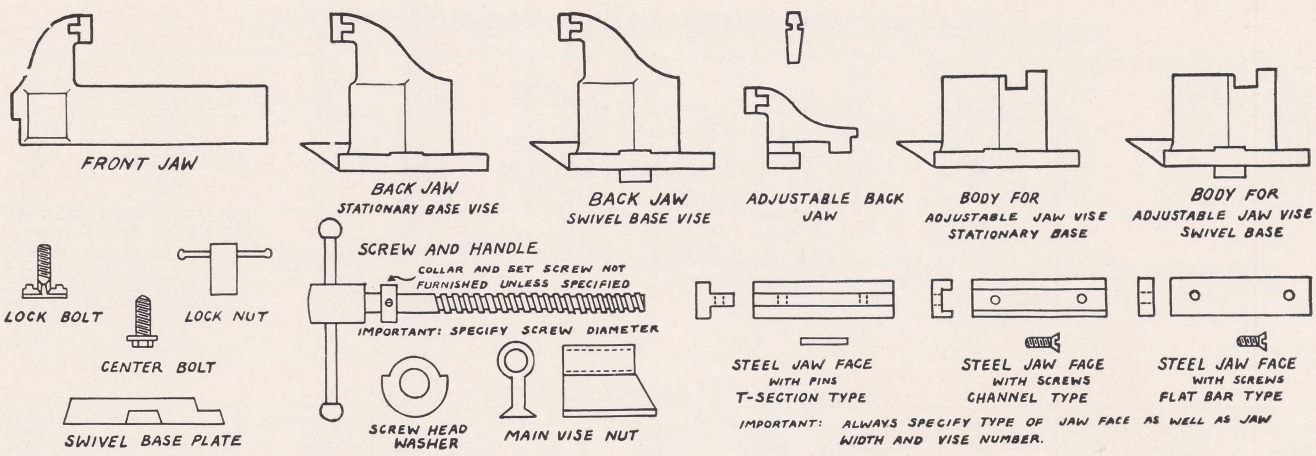
PARTS ORDER INSTRUCTION

In ordering, be sure to furnish the proper identification of the parts required for your Columbian Vise. The vise itself should be identified by the complete catalog number. Where this number can not be furnished, specify width of jaw and type of vise.

Progress in the development of Columbian Vises during many years resulted in changes of the specifications for certain parts without corresponding changes in catalog numbers. The following information will help us to furnish promptly correct parts for old vises.

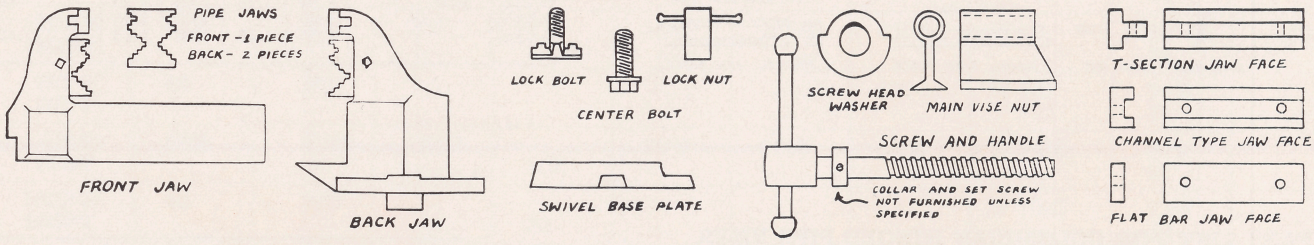
JAW FACES: Specify width of jaw and type of face; i.e. "T" Section, Channel, or flat bar.
SCREWS: Specify screw diameter and number of threads per inch.
NUTS: Specify screw diameter and height from the base of nut to the center of screw.

PART LIST FOR COLUMBIAN MACHINISTS', HEAVY CHIPPING, AND BODYMAKERS' VISES


FRONT JAW
BACK JAW
STATIONARY BASE VISE
BACK JAW
SWIVEL BASE VISE
ADJUSTABLE BACK JAW
BODY FOR ADJUSTABLE JAW VISE STATIONARY BASE
BODY FOR ADJUSTABLE JAW VISE SWIVEL BASE
LOCK BOLT
LOCK NUT
CENTER BOLT
SWIVEL BASE PLATE
SCREW AND HANDLE
COLLAR AND SET SCREW NOT FURNISHED UNLESS SPECIFIED
IMPORTANT: SPECIFY SCREW DIAMETER
SCREW HEAD WASHER
MAIN VISE NUT
STEEL JAW FACE WITH PINS T-SECTION TYPE
STEEL JAW FACE WITH SCREWS CHANNEL TYPE
STEEL JAW FACE WITH SCREWS FLAT BAR TYPE
IMPORTANT: ALWAYS SPECIFY TYPE OF JAW FACE AS WELL AS JAW WIDTH AND VISE NUMBER.

Width of Vise Jaw	Steel Jaw Face (Pair)	Screw and Handle	Collar and Set Screw	Screw Head Washer	Main Vise Nut	Swivel Base Plate	Center Bolt for Swivel Base	Lock Bolt for Swivel Base	Lock Nut for Swivel Base	Front Jaw	Back Jaw	Body for Adjust. Jaw Vise	Swivel Back Jaw	Taper Pin for Swivel Back Jaw
3	7.20	6.00	1.00	.60	2.00	8.00	1.50	2.00	1.80	15.00	15.00	—	—	—
3½	7.50	7.20	1.10	.70	2.40	10.00	1.80	2.00	1.80	17.00	17.00	18.00	15.00	1.20
4	8.40	9.00	1.20	.90	3.00	12.00	2.10	2.00	1.80	20.00	20.00	22.00	17.00	1.20
4½	9.00	12.00	1.20	.90	3.00	14.00	2.40	2.00	1.80	24.00	24.00	27.00	20.00	1.20
5	10.00	15.00	1.50	1.20	4.50	22.00	2.70	3.60	3.00	30.00	30.00	—	—	—
6	12.60	24.00	1.80	1.50	6.00	28.00	3.60	3.60	3.00	60.00	60.00	65.00	30.00	2.40
8	16.00	36.00	2.40	1.80	10.50	60.00	5.25	3.60	3.00	110.00	110.00	—	—	—

PART LIST FOR COLUMBIAN COMBINATION PIPE VISES



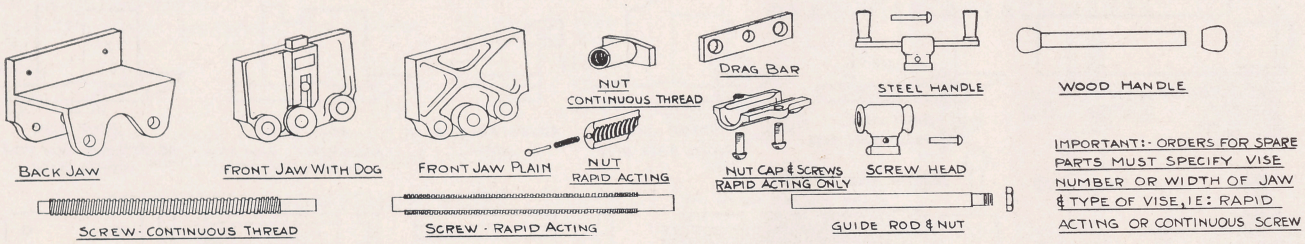
Vise No.	Steel Jaw Face (Pair)	Pipe Jaws Set (3)	Pipe Jaws (Single)	Screw and Handle	Collar and Set Screw	Screw Head Washer	Main Vise Nut	Swivel Base Plate	Center Bolt and Washer	Swivel Lock Nut	Swivel Lock Bolt	Front Jaw	Back Jaw
203½	7.20	8.00	2.67	9.00	1.20	.90	3.00	10.00	1.80	1.80	2.00	20.00	20.00
204½	9.00	10.80	3.60	15.00	1.50	1.20	4.50	14.00	2.40	1.80	2.00	26.00	26.00
205	10.00	18.00	6.00	20.00	1.80	1.50	6.00	22.00	2.70	3.00	3.60	45.00	45.00
206	12.60	18.00	6.00	30.00	2.10	1.80	8.30	28.00	3.60	3.00	3.60	78.00	78.00

PARTS LIST

MAPLE FACES

Columbian Woodworkers' Vises are drilled for attaching wood faces. Attachment on the back jaw is made by drilling and countersinking the wood face for the two heavy wood screws holding the vise against the bench. Maple faces protect the vise prevent damage to edge tools from striking the metal faces. Add $1.50 to the list price of any vises to be equipped with wood faces

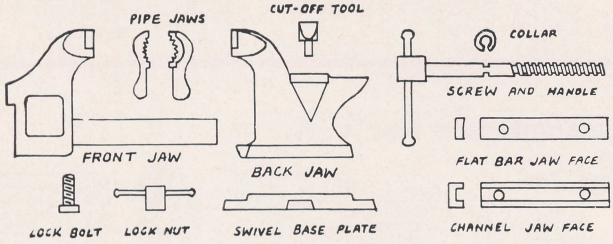
PART LIST FOR COLUMBIAN WOODWORKERS' VISES



IMPORTANT:- ORDERS FOR SPARE PARTS MUST SPECIFY VISE NUMBER OR WIDTH OF JAW & TYPE OF VISE, IE: RAPID ACTING OR CONTINUOUS SCREW

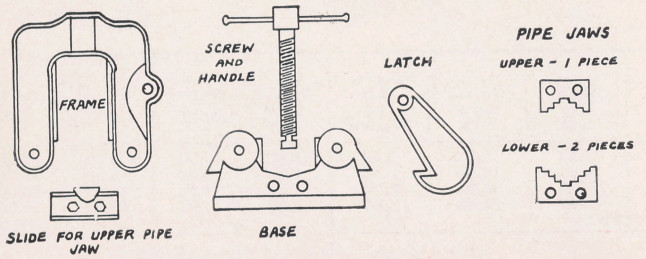
Size Jaw	Nut for Continuous	Nut for Rapid Act.	Nut Cap and Screws	Screw Continuous	Screw Rapid Act.	Screw Head & Rivet	Wood Handle	Steel Handle	Drag Bar	Front Jaw Plain	Front Jaw with Dog	Back Jaw	Guide Rod & Nut
3 x 6	.80			2.00		.70	.40			2.00	3.00	3.50	1.00
4 x 7	1.80	2.25	.75	4.50	6.00	1.50	.75	2.25	.75	6.00	7.50	7.50	1.00
4 x 10	1.80	2.25	.75	6.00	7.50	2.25	.75	2.25	1.20	7.50	9.00	9.00	1.00

PART LIST FOR COLUMBIAN HOMESHOP VISES



Vise No.	Steel Jaw Face (Pair)	Pipe Jaws per Pair	Screw and Handle	Swivel Base Plate	Front Jaw	Back Jaw	Main Vise Nut	Lock Nut and Bolt
D-43 1/2	2.00	.75(c)	1.80	1.15	3.00	3.40	1.30	.45
D-44	2.40	1.15(c)	2.25	2.25	5.25	6.00	1.60	.50
D-45	3.50	—	3.00	3.00	6.00	7.50	2.00	.55
D-33 1/2	2.00	—	1.50	1.15	2.50	3.00	—	.45
D-53 1/2	—	—	1.25	—	2.00	2.00	—	—
D-63 1/2	—	—	1.50	1.15	1.80	2.25	—	.45

PART LIST FOR COLUMBIAN HINGED PIPE VISES



Vise No.	Pipe Jaws Complete Set(3)	Single Pipe Jaws Each	Slide or Jaw Clamp	Screw and Handle	Base	Frame	Hook or Latch
16X	3.90	1.30	.60	2.60	3.60	2.30	.60
160	4.50	1.50	.60	3.10	4.10	2.60	.80
161	5.40	1.80	.80	3.60	4.90	3.10	.90
162	6.60	2.20	1.20	5.60	7.20	4.60	1.30
163	9.30	3.10	1.70	7.70	10.80	6.80	1.90
164X	15.30	5.10	3.10	16.90	23.10	14.70	4.10
165X	19.75	6.55	6.40	29.40	41.00	26.05	7.55
166X	30.70	10.25	9.60	44.55	60.55	38.85	11.40

for best advice about **VISES** . . . See your **COLUMBIAN** distributor

QUICK REFERENCE VISE CHART

COLUMBIAN Vise catalog numbers and the catalog numbers of similar sizes and types of other manufacturers. Jaw widths are in inches and the closest corresponding size has been used in each case.

MACHINISTS' VISES — STATIONARY JAW — STATIONARY BASE

Jaw Width	COLUMBIAN	American	Athol	Hollands	Morgan	Parker	Prentiss	Reed	Simplex	Wilton	Yost
3	**503**	51	613	13	30	953	253	103R	31P	300N	103
3½	**503½**	52	613½	13½	35	953½	253½	103½R	33P	350N	103½
4	**504**	53	614	14	40	954	254	104R	41P	400N	104
4½	**504½**	54	614½	14½	45	954½	254½	104½R	43P	450N	104½
5	**505**	55	615	15	50	955	255	105R	51P	500N	105
6	**506**	56	616	16	60	956	256	106R	61P	600N	106
8	**508**	58	618	18	80	958	.....	108R	81P	.....	108

MACHINISTS' VISES — STATIONARY JAW — SWIVEL BASE

3	**603**	61	623	23	130	973	263	203R	31S	300S	203
3½	**603½**	62	623½	23½	135	973½	263½	203½R	33S	350S	203½
4	**604**	63	624	24	140	974	264	204R	41S	400S	204
4½	**604½**	64	624½	24½	145	974½	264½	204½R	43S	450S	204½
5	**605**	65	625	25	150	975	265	205R	51S	500S	205
6	**606**	66	626	26	160	976	266	206R	61S	600S	206
8	**608**	68	628	28	180	978	.....	208R	81S	.....	208

MACHINISTS' VISES — ADJUSTABLE JAW — SWIVEL BASE

3½	**403½**	75	643½	43½	335	383½	453½	403½R	33SJ	.....	43½
4½	**404½**	77	644½	44½	345	384½	454½	404½R	41SJ	.....	.....
6	**406**	79	646	46	360	386	456	406R	43SJ	.....	78

COMBINATION PIPE VISES

3½	**203½**	22	323½X	.....	87	433½	353½	1C	CP33	C-0	31C
4½	**204½**	23	324½X	53½	88	434½	354½	2C	CP43	C-1	32C
5	**205**	24	325X	54	288½	435	355	3C	.....	C-2	33C
6	**206**	25	326X	56	289½	436	356	4C	CP61	.....	34C

SHEET METAL WORKERS' VISE

4½	**224½**	206	424½	264½	138	674½	.....	224½R	42CPS	.....	503

WOODWORKERS' VISES

COLUMBIAN New	COLUMBIAN Old	Abernathy	American	Morgan	Parker	Prentiss	Richard Wilcox	Simplex	Wilton	Yost
7RPW	**1R**	70	....	.....	....	....	430-1	W-7-P	73W	....
7RPT		....	....	100	....	....	....	....	73	....
7RDW	**1RD**	70D	204	.....	445W	335W	430S-1	W-7	63W	405
7RDT		....	....	100A-18A	....	....	....	....	63	....
10RPW	**9R**	80	....	.....	....	....	430-2	W-10-P	74W	....
10RPT		....	....	200	....	....	....	....	74	....
10RDW	**9RD**	80D	203	.....	446W	336W	430S-2	W-10	64W	400
10RDT		....	....	200A	....	....	....	....	64	....
7CPW	**5C**	S70	....	....	....	....	630-1	W-7-C	71W	....
7CPT		....	....	....	....	....	....	....	71	....
7CDW	**5CD**	S70D	204C	.....	25W	15W	630S-1	W-7-CD	61W	....
7CDT		....	....	10A	....	....	....	....	61	....
10CPW	**3C**	S80	....	.....	....	....	630-2	W-10-C	72W	....
10CPT		....	....	20	....	....	....	....	72	....
10CDW	**3CD**	S80D	203C	.....	26W	16W	630S-2	W-10-CD	62W	....
10CDT		....	....	20A	....	....	....	....	62	....
7CDS	**5CDS**	....	....	210A	25S	15S	....	W-7-CDS	....	....
10CDS	**3CDS**	....	....	220A	26S	16S	....	W-10-CDS	....	....

Columbian Vises are furnished with hardwood handles as standard, tubular steel optional at no extra cost. New number system provides positive identification of handle preference.

Morgan Vises are furnished with tubular steel handle as standard, hardwood optional at no additional cost.

Simplex Vises are furnished with hardwood handles as standard, tubular steel optional at no additional cost.

Wilton Vises furnished with solid aluminum handles or with hardwood (**W**).

Sledge Tested

COLUMBIAN VISES

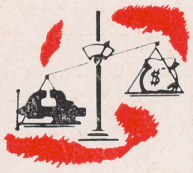
are sold exclusively through distributors!

For 65 years, Distributors have been efficient, friendly links between The Columbian Vise & Mfg. Co. and its customers. In your community, as in others throughout the nation, Columbian is represented by a local distributor who is eager to help you.

We urge you to avail yourself of this distributor's services . . . to take advantage of his experience, knowledge and personal "on-the-job" interest in your business. You'll find his organization ready to save you time, money—and worry!

A Few of Many Ways You Save With COLUMBIAN Distributor Service

BETTER VALUES. Your Distributor buys in large quantities and passes his mass purchasing savings on to you. He relieves Columbian of the cost of warehousing, selling and shipping in small quantities . . . eliminates the necessity for our handling the accounts of thousands of individual customers. Because we save . . . you save.



SUPERIOR PRODUCTS. Before he stocked Columbian Vises for resale to you, Your Distributor compared them feature by feature against competitive products. In effect, he "pre-tested" for you.

TIME SAVINGS. In addition to Columbian Vises, Your Distributor stocks thousands of other items essential to your daily operations. You make one phone call . . . get one invoice . . . pay with one check . . . streamline your purchasing and accounting.

IMMEDIATE DELIVERIES. Your Distributor gives local "fire department" round-the-clock service. He's at your call—day and night.

DEMONSTRATIONS. Your Distributor prefers to sell by showing you exactly what a Columbian Vise (or other product) will do on your job. As a result, you get exactly what you want and need.

FRIENDLY COUNSEL. Because Your Distributor serves many plants . . . solves many problems, he possesses a vast store of application knowledge and experience. He is always glad to share this "know-how" with you.

DOUBLE GUARANTEES. Your Distributor backs our Columbian guarantee with his own. He gives you double assurance that you are buying the world's finest vises.

THE COLUMBIAN VISE & MFG. CO.

Cleveland 4, Ohio

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